

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 2748 | "22" and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:39 |
| | | "22" and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:39 |
| | | "22" and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:39 |
| | | "7" and (multiple near5 filters.ab.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:43 |
| | | "7" and "multiple filters" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 12:47 |
| | | "4" and (fir or "finite impulse") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:39 |
| L2 | 111 | 708/3\$\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:27 |
| | | 708/3\$\$.ccls. and "linear filter" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:38 |

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|----|------|---|---|----|-----|------------------|
| L3 | 922 | "echo cancellation" and (fir or "finite impulse") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:27 |
| L4 | 1274 | (echo adj cancel\$7) and (fir or "finite impulse") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:27 |
| L5 | 922 | "echo cancellation" and (fir or "finite impulse") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:38 |
| L6 | 1802 | (375/346,254,285).CCLS. | USPAT; USOCR | OR | OFF | 2005/01/13 11:28 |
| L7 | 2541 | (375/346,348,349,254,285).CCLS. | USPAT; USOCR | OR | OFF | 2005/01/13 11:28 |
| L8 | 17 | (((370/286-291).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) not (((((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) not (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) or ((((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:28 |

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|-----|------|--|---|----|-----|------------------|
| L9 | 688 | ((370/286-291).CCLS.) not (((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) or (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) | USPAT | OR | OFF | 2005/01/13 11:28 |
| L10 | 1045 | ((375/350).CCLS.) and filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:49 |
| L11 | 265 | ((375/350).CCLS.) and filter) and (partition\$2 or split or divide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:29 |
| L12 | 1133 | 379/406.01-406.16.ccls. and filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:39 |
| L13 | 374 | 12 and (fir "finite impulse") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:38 |
| L14 | 170 | (near\$end adj cross\$talk).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:38 |
| L15 | 4 | "5053984".pn. "5594677".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 11:50 |
| L16 | 1 | "5644011".pn. | USPAT | OR | OFF | 2005/01/13 12:00 |
| L17 | 1 | "5664011".pn. | USPAT | OR | OFF | 2005/01/13 12:00 |

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| S1 | 3273 | "echo cancellation" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:14 |
| S2 | 0 | "echo cancellation" and (fir or "finite impulse") and "echo.ab" and fir.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:01 |
| S3 | 656 | "echo cancellation" and (fir or "finite impulse") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:01 |
| S4 | 307 | ("echo cancellation" and (fir or "finite impulse")) and echo.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:01 |
| S5 | 45 | ((((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or "finite impulse")) and echo.ab.) and fir.ab.) not (((echo cancellation" and (fir or "finite impulse")) and echo.ab.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:02 |
| S6 | 6 | ((((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or "finite impulse")) and echo.ab.) and fir.ab.) and transpose | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:02 |
| S7 | 6 | ((("echo cancel\$" or "echo canceller") or "echo cancellation") and transpose and "direct form" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:02 |
| S8 | 6 | fir and filter and "direct form" and "transpose form" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:02 |
| S9 | 2470 | 708/3\$\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:06 |
| S10 | 94 | 708/3\$\$.ccls. and "linear filter" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:06 |

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| S11 | 31 | (708/3\$\$.ccls. and "linear filter") and fir | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:07 |
| S12 | 17 | (708/3\$\$.ccls. and "linear filter") and (upper or higher or most) near4 (bits or words or symbol) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:09 |
| S13 | 7 | ((708/3\$\$.ccls. and "linear filter") and fir) and (upper or higher or most) near4 (bits or words or symbol) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:13 |
| S14 | 15 | 708/3\$\$.ccls. and (partition near4 (data or byte or word or symbol or bits)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:41 |
| S15 | 75 | 708/319.ccls. and (multiple near5 filters) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:43 |
| S16 | 13 | 708/319.ccls. and (multiple near5 filters).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:43 |
| S17 | 379 | 708/319.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 13:24 |
| S18 | 259 | 708/3\$\$.ccls. and (msb or lsb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:54 |
| S19 | 58 | 708/319.ccls. and (msb or lsb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 12:22 |
| S20 | 0 | (708/319.ccls. and (msb or lsb)) and "multiple filters".ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 12:23 |

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| S21 | 0 | ((708/319.ccls. and (msb or lsb)) and filters.ab.) and dual.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 12:23 |
| S22 | 48 | (708/319.ccls. and (msb or lsb)) and filters.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 12:23 |
| S23 | 15 | 708/319.ccls. and multiple near4 filters | USPAT | OR | OFF | 2003/05/29 12:48 |
| S24 | 0 | 708/319.ccls. and (partition and filter and msb).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 13:03 |
| S25 | 2 | 708/319.ccls. and (partition and filter).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 13:03 |
| S26 | 331 | 708/319.ccls. not ((708/319.ccls. and (msb or lsb)) and filters.ab.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 13:25 |
| S27 | 0 | "5724395".URPN. | USPAT | OR | OFF | 2003/05/29 15:37 |
| S28 | 4 | ("4866648" "4868773" "5016207" "5222035").PN. | USPAT | OR | OFF | 2003/05/29 15:37 |
| S29 | 0 | "5724395".URPN. | USPAT | OR | OFF | 2003/05/29 15:42 |
| S30 | 0 | "5724395".URPN. | USPAT | OR | OFF | 2003/05/29 15:42 |
| S31 | 190 | 708/319.ccls. and fir | USPAT | OR | OFF | 2003/05/29 16:00 |
| S32 | 102 | (708/319.ccls. and fir) and ((multiple or dual or additional or second or secondary) near2 filter) | USPAT | OR | OFF | 2003/05/29 16:01 |
| S33 | 33 | ((708/319.ccls. and fir) and ((multiple or dual or additional or second or secondary) near2 filter)) and (msb or lsb or "most significant" or "least significant") | USPAT | OR | OFF | 2003/05/29 16:02 |
| S34 | 646 | (375/350).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 14:23 |
| S35 | 591 | ((375/350).CCLS.) and filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:23 |

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| S36 | 156 | ((375/350).CCLS.) and filter) and (partition\$2 or split or divide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:19 |
| S37 | 143 | (((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) same filters) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:20 |
| S38 | 131 | (((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:35 |
| S39 | 94 | (((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:55 |
| S40 | 74 | ((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:32 |
| S41 | 13 | ((((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo)) and ("significant bit" or msb or lsb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:33 |
| S42 | 81 | ((((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) not (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo)) and ("significant bit" or msb or lsb) | USPAT | OR | OFF | 2003/06/11 12:56 |

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| S43 | 0 | "5724395".URPN. | USPAT | OR | OFF | 2003/06/11 13:15 |
| S44 | 0 | "5724395".URPN. | USPAT | OR | OFF | 2003/06/11 13:15 |
| S45 | 4 | ("4866648" "4868773" "5016207" "5222035").PN. | USPAT | OR | OFF | 2003/06/11 14:22 |
| S46 | 1402 | (375/346,254,285).CCLS. | USPAT; USOCR | OR | OFF | 2005/01/13 11:30 |
| S47 | 2025 | (375/346,348,349,254,285).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 14:35 |
| S48 | 31 | ((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 15:02 |
| S49 | 26 | (((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) not (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide)) and (noise crosstalk interference echo)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:59 |
| S50 | 25 | ((370/286-291).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits"))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 15:03 |

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| S51 | 23 | ((370/286-291).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits")) not (((((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits")) not (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) or (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 15:04 |
| S52 | 601 | (370/286-291).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 16:11 |
| S53 | 0 | ("26not(23or7)").PN. | USPAT; USOCR | OR | OFF | 2003/06/11 16:12 |
| S54 | 599 | ((370/286-291).CCLS.) not (((375/346,348,349,254,285).CCLS.) and ((partition or split or divide) and (symbol word signal "bit group\$1") and ((two or multiple or dual or plurality) with (filters cancellers subtractors suppressors)) and (noise crosstalk interference echo e/n distortion) and (msb lsb "significant bits")) or (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk interference echo))) | USPAT | OR | OFF | 2003/06/11 16:12 |

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| S55 | 284 | 379/386.ccls. and @ad<="19980818" | USPAT | OR | OFF | 2003/05/20 13:59 |
| S56 | 427 | 379/386.ccls. and @ad<="19980818" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 14:00 |
| S57 | 157 | (379/386.ccls. and @ad<="19980818") and dtmf | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 14:00 |
| S58 | 17 | ((379/386.ccls. and @ad<="19980818") and dtmf) and (dtmf adj decode\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 14:01 |
| S59 | 21 | ((379/386.ccls. and @ad<="19980818") and dtmf) and (dtmf adj decod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 14:07 |
| S60 | 48672 | "379"/\$.ccls. and @ad<="19980818" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 14:08 |
| S61 | 3793 | ("379"/\$.ccls. and @ad<="19980818") and dtmf | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 14:54 |
| S62 | 0 | ("379"/\$.ccls. and @ad<="19980818") and "dtmf decod\$" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 14:55 |
| S63 | 306 | ("379"/\$.ccls. and @ad<="19980818") and "dtmf decoder" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 14:55 |
| S64 | 10 | ((("379"/\$.ccls. and @ad<="19980818") and "dtmf decoder") and "dtmf decoder".ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 15:17 |
| S65 | 0 | ((("379"/\$.ccls. and @ad<="19980818") and "dtmf decoder") and "dtmf demodulat\$". ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 15:17 |

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| S66 | 0 | ("379"/\$.ccls. and @ad<="19980818") and "dtmf demodulator".ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 15:18 |
| S67 | 10 | "dtmf demodulator" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 15:25 |
| S68 | 8 | "dual\$tone multi\$frequency" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/20 15:25 |
| S69 | 1684 | "echo cancel\$" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 11:00 |
| S70 | 1212 | "echo cancel\$" and "echo canceller" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:38 |
| S71 | 4259 | "echo cancel\$" or "echo canceller" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:38 |
| S72 | 6202 | ("echo cancel\$" or "echo canceller") or "echo cancellation" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:58 |
| S73 | 834 | ((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or "finite impulse")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:40 |
| S74 | 397 | ((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or "finite impulse")) and echo.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:40 |
| S75 | 98 | (((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or "finite impulse")) and echo.ab.) and fir.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 08:41 |

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| S76 | 47 | 708/319.ccls. and echo | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/05/29 13:05 |
| S77 | 168 | (708/319.ccls. not ((708/319.ccls. and (msb or lsb)) and filters.ab.)) and (second or 2nd) near4 filter | USPAT | OR | ON | 2003/05/29 15:36 |
| S78 | 12 | (((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and ((multiple or two or dual or plurality) with filters)) and ((data or word or symbol or signal or byte) same (partition or split or divide))) not "13" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 12:55 |
| S79 | 666 | ((375/346).CCLS.) not ((375/350).CCLS.) | USPAT | OR | OFF | 2003/06/11 14:26 |
| S80 | 574 | ((375/350).CCLS.) not ((375/346).CCLS.) | USPAT | OR | OFF | 2003/06/11 14:26 |
| S81 | 738 | (375/346).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 14:25 |
| S82 | 646 | (375/350).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 14:25 |
| S83 | 738 | (375/346).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 14:33 |
| S84 | 1302 | ((375/346,254,285).CCLS.) not ((375/350).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/11 14:33 |
| S85 | 0 | ("014not1").PN. | USPAT; USOCR | OR | OFF | 2003/06/11 14:33 |
| S86 | 472 | (375/349).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/11 15:00 |